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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/807,764	03/23/2004	Gee Samuel Dow	60999-168	4291
9629 7.	590 08/24/2005		EXAMINER	
MORGAN LEWIS & BOCKIUS LLP			NGUYEN, KHANH V	
	PENNSYLVANIA AVENUE NW SHINGTON, DC 20004	W	ART UNIT	PAPER NUMBER
WASHINGTO	N, DC 20004		2817	

DATE MAILED: 08/24/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

			AK
	Application No.	Applicant(s)	
	10/807,764	DOW ET AL.	
Office Action Summary	Examiner	Art Unit	
	Khanh V. Nguyen	2817	
The MAILING DATE of this communication Period for Reply	appears on the cover sheet wit	h the correspondence address	S
A SHORTENED STATUTORY PERIOD FOR RE THE MAILING DATE OF THIS COMMUNICATIO - Extensions of time may be available under the provisions of 37 CFI after SIX (6) MONTHS from the mailing date of this communication - If the period for reply specified above is less than thirty (30) days, a - If NO period for reply is specified above, the maximum statutory pe - Failure to reply within the set or extended period for reply will, by st Any reply received by the Office later than three months after the m earned patent term adjustment. See 37 CFR 1.704(b).	ON. R 1.136(a). In no event, however, may a re i. a reply within the statutory minimum of thirty riod will apply and will expire SIX (6) MONT tatute, cause the application to become ABA	eply be timely filed (30) days will be considered timely. FHS from the mailing date of this communication ANDONED (35 U.S.C. § 133).	ication.
Status			
1) Responsive to communication(s) filed on 2	<u> 3 March 2004</u> .		
2a) This action is FINAL . 2b) ⊠	This action is non-final.		
3) Since this application is in condition for allo	owance except for formal matte	ers, prosecution as to the mer	its is
closed in accordance with the practice und	er <i>Ex parte Quayle</i> , 1935 C.D.	11, 453 O.G. 213.	
Disposition of Claims	•		
4) Claim(s) 1-23 is/are pending in the application	tion.		
4a) Of the above claim(s) is/are with	drawn from consideration.		
5) Claim(s) is/are allowed.			
6)⊠ Claim(s) <u>1-23</u> is/are rejected.			
7) Claim(s) is/are objected to.			
8) Claim(s) are subject to restriction ar	nd/or election requirement.		
Application Papers			
9)⊠ The specification is objected to by the Exam	niner.		
10) The drawing(s) filed on is/are: a)	accepted or b) objected to b	by the Examiner.	
Applicant may not request that any objection to	the drawing(s) be held in abeyan	ce. See 37 CFR 1.85(a).	
Replacement drawing sheet(s) including the co	rrection is required if the drawing(s) is objected to. See 37 CFR 1.	121(d).
11) The oath or declaration is objected to by the			
Priority under 35 U.S.C. § 119	•		
12) Acknowledgment is made of a claim for fore	eign priority under 35 U.S.C. §	119(a)-(d) or (f).	
a) All b) Some * c) None of:	•	. , , , , , , , , , , , , , , , , , , ,	
1. Certified copies of the priority docum	nents have been received.		
2. Certified copies of the priority docum		oplication No.	
3. Copies of the certified copies of the			е
application from the International Bu	, •	·	
* See the attached detailed Office action for a		received.	
Attachment(s)	🗂	(100)	
 Notice of References Cited (PTO-892) Notice of Draftsperson's Patent Drawing Review (PTO-948) 		ummary (PTO-413) s)/Mail Date	
 Notice of Draftsperson's Patent Drawing Review (PTO-946) Information Disclosure Statement(s) (PTO-1449 or PTO/SE Paper No(s)/Mail Date 3/23/04. 	′	nformal Patent Application (PTO-152)	•

DETAILED ACTION

Specification

The lengthy specification has not been checked to the extent necessary to determine the presence of all possible minor errors. Applicant's cooperation is requested in correcting any errors of which applicant may become aware in the specification.

Claim Objections

Claim 12 is objected to because of the following informalities: claim 12 which is an apparatus claim depends on a method claim 1. it is suggested that claim 12 should rewrite as an independent claim including the subject matters disclosed in claim 1.

Appropriate correction is required.

Claim Rejections - 35 USC § 112

The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

Claims 1, 2, 5, 14, 18, 21 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

Regarding claim 1, it is not clear which "linearizing module" and "power mode-based signal shaping module" are intended. Note, schematic of the modules discloses in claims 2 and 5 having the exact structure/components.

Regarding claim 2, 14, 18, 21, it not clear which "dual harmonic resonance filter" is intended.

Regarding claims 2, 5, it is not clear which "predistortion linearizer" is intended.

Note, [00111], page 33, lines stated that "predistortion linearizer (1135) is a switchable cubic predistorion linearizer". It appears they are the same component. As such, either "a predistortion linearizer" or "a switchable predistortion linearizer" should be deleted.

As best understood, claims 14, 18 are based on invention Figure 11, and that "a dual resonance harmonic filter" is block (1105) and a "bias circuit" is current mirror (32). It is not clear how "dual resonance harmonic filter" is incorporated into the "bias circuit". It appears that they are two independent circuits.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 14-17 are rejected under 35 U.S.C. 102(b) as being anticipated by Yamamoto (6,297,694).

Regarding claim 4, Yamamoto (Figs. 1, 2) disclose a power amplifier comprising: a power amplifier load circuit (8) responsive to the power mode signal (Vmod); a bias circuit (5); and filter (10) can be read as an harmonic filter.

Regarding claim 15, wherein bias switching circuit (6) can be read as a switchable cubic predistortion linearizer.

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Regarding claim 16, Fig. 2, wherein transistor (32/36) operable as a current mirror.

Regarding claim 17, see Figs. 4, 5, disclose a plurality of stages and each having its current mirror (36a-36c) responsive to power mode (Vmod).

Allowable Subject Matter

Claims 1-13, 18-23 would be allowable if rewritten or amended to overcome the rejection(s) under 35 U.S.C. 112, 2nd paragraph, set forth in this Office action.

Conclusion

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. The additional reference (Hsiao et al. (6,522,201)) shows further analogous prior art circuitry having power mode.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Khanh V. Nguyen whose telephone number is (571) 272-1767. The examiner can normally be reached from 8:00 AM - 3:30 PM EST.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Robert Pascal can be reached on (571) 272-1769. The fax phone numbers for the organization where this application or proceeding is assigned are (703) 872-9306 for regular communications and (703) 872-9306 for After Final communications.

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KHANH VAN NGUYEN PRIMARY EXAMINER

Khaul Oen Lguyer

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